

ABSTRACT

A low profile antenna having relatively high radiation resistance, wide bandwidth and which utilizes a single conductor and RF source is disclosed. In accordance with an exemplary embodiment, the upper horizontal portion and the lower horizontal portion of the double inverted-L antenna are respectively brought down and up (without being physically connected) at a distance of approximately 180 degrees ($1/2 \lambda$) from the RF source so as to form two additional vertical portions of the antenna. This is followed by two approximately 90-degree ($1/4 \lambda$) horizontal conductors portion. The resulting radiation resistance of the low profile antenna is approximately three-times that of a double inverted-L antenna.